

FIGURE 1 (CONT.)

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|------|------|-----|-----|-------|--------|--------|--------|------|-------|
| ATOM | 1970 | N | SER | 329 | 67.706 | 70.528 | 87.822 | 1.00 | 23.68 |
| ATOM | 1971 | CA | SER | 329 | 67.077 | 69.925 | 89.000 | 1.00 | 22.19 |
| ATOM | 1972 | CB | SER | 329 | 68.150 | 69.406 | 89.964 | 1.00 | 19.55 |
| ATOM | 1973 | OG | SER | 329 | 69.028 | 70.440 | 90.356 | 1.00 | 23.14 |
| ATOM | 1974 | C | SER | 329 | 66.077 | 70.812 | 89.747 | 1.00 | 23.28 |
| ATOM | 1975 | O | SER | 329 | 64.978 | 70.362 | 90.065 | 1.00 | 25.72 |
| ATOM | 1976 | N | ILE | 330 | 66.444 | 72.070 | 89.992 | 1.00 | 22.81 |
| ATOM | 1977 | CA | ILE | 330 | 65.584 | 73.024 | 90.700 | 1.00 | 19.85 |
| ATOM | 1978 | CB | ILE | 330 | 66.410 | 74.017 | 91.589 | 1.00 | 15.67 |
| ATOM | 1979 | CG2 | ILE | 330 | 66.509 | 73.500 | 93.001 | 1.00 | 18.25 |
| ATOM | 1980 | CG1 | ILE | 330 | 67.795 | 74.289 | 90.994 | 1.00 | 7.11 |
| ATOM | 1981 | CD1 | ILE | 330 | 67.776 | 74.921 | 89.639 | 1.00 | 5.46 |
| ATOM | 1982 | C | ILE | 330 | 64.703 | 73.869 | 89.786 | 1.00 | 20.60 |
| ATOM | 1983 | O | ILE | 330 | 64.225 | 74.923 | 90.201 | 1.00 | 23.53 |
| ATOM | 1984 | N | CYS | 331 | 64.425 | 73.400 | 88.579 | 1.00 | 19.32 |
| ATOM | 1985 | CA | CYS | 331 | 63.641 | 74.206 | 87.649 | 1.00 | 20.33 |
| ATOM | 1986 | C | CYS | 331 | 62.148 | 73.909 | 87.498 | 1.00 | 21.39 |
| ATOM | 1987 | O | CYS | 331 | 61.737 | 72.757 | 87.342 | 1.00 | 22.62 |
| ATOM | 1988 | CB | CYS | 331 | 64.310 | 74.200 | 86.277 | 1.00 | 19.26 |
| ATOM | 1989 | SG | CYS | 331 | 64.038 | 75.775 | 85.516 | 1.00 | 16.83 |
| ATOM | 1990 | P | IMP | A1331 | 71.205 | 71.206 | 87.339 | 1.00 | 24.40 |
| ATOM | 1991 | O1P | IMP | A1331 | 70.381 | 70.028 | 86.885 | 1.00 | 22.40 |
| ATOM | 1992 | O2P | IMP | A1331 | 72.615 | 71.144 | 86.864 | 1.00 | 18.66 |
| ATOM | 1993 | O3P | IMP | A1331 | 71.172 | 71.333 | 88.803 | 1.00 | 19.75 |
| ATOM | 1994 | O5* | IMP | A1331 | 70.688 | 72.534 | 86.798 | 1.00 | 22.96 |
| ATOM | 1995 | C5* | IMP | A1331 | 71.500 | 73.726 | 87.024 | 1.00 | 14.95 |
| ATOM | 1996 | C4* | IMP | A1331 | 71.156 | 74.601 | 85.831 | 1.00 | 11.32 |
| ATOM | 1997 | O4* | IMP | A1331 | 69.758 | 74.898 | 85.861 | 1.00 | 12.20 |
| ATOM | 1998 | C3* | IMP | A1331 | 71.865 | 75.962 | 85.934 | 1.00 | 12.62 |
| ATOM | 1999 | O3* | IMP | A1331 | 73.078 | 76.011 | 85.208 | 1.00 | 10.24 |
| ATOM | 2000 | C2* | IMP | A1331 | 70.883 | 76.903 | 85.210 | 1.00 | 13.74 |
| ATOM | 2001 | O2* | IMP | A1331 | 70.752 | 76.706 | 83.816 | 1.00 | 11.66 |
| ATOM | 2002 | C1* | IMP | A1331 | 69.602 | 76.308 | 85.761 | 1.00 | 14.52 |
| ATOM | 2003 | N9 | IMP | A1331 | 68.832 | 77.205 | 86.612 | 1.00 | 18.13 |
| ATOM | 2004 | C8 | IMP | A1331 | 69.321 | 78.030 | 87.599 | 1.00 | 18.02 |
| ATOM | 2005 | N7 | IMP | A1331 | 68.331 | 78.568 | 88.322 | 1.00 | 16.06 |
| ATOM | 2006 | C5 | IMP | A1331 | 67.170 | 78.093 | 87.806 | 1.00 | 19.77 |
| ATOM | 2007 | C6 | IMP | A1331 | 65.799 | 78.289 | 88.156 | 1.00 | 22.26 |
| ATOM | 2008 | O6 | IMP | A1331 | 65.412 | 78.995 | 89.085 | 1.00 | 17.37 |
| ATOM | 2009 | N1 | IMP | A1331 | 64.941 | 77.579 | 87.374 | 1.00 | 25.96 |
| ATOM | 2010 | C2 | IMP | A1331 | 65.296 | 76.706 | 86.299 | 1.00 | 23.29 |
| ATOM | 2011 | N3 | IMP | A1331 | 66.567 | 76.524 | 85.957 | 1.00 | 24.20 |
| ATOM | 2012 | C4 | IMP | A1331 | 67.498 | 77.200 | 86.693 | 1.00 | 21.15 |
| ATOM | 2013 | N | ILE | 332 | 61.333 | 74.959 | 87.564 | 1.00 | 19.04 |
| ATOM | 2014 | CA | ILE | 332 | 59.899 | 74.811 | 87.391 | 1.00 | 18.02 |
| ATOM | 2015 | CB | ILE | 332 | 59.071 | 75.097 | 88.696 | 1.00 | 16.99 |
| ATOM | 2016 | CG2 | ILE | 332 | 59.423 | 74.093 | 89.793 | 1.00 | 12.90 |
| ATOM | 2017 | CG1 | ILE | 332 | 59.283 | 76.525 | 89.191 | 1.00 | 14.79 |
| ATOM | 2018 | CD1 | ILE | 332 | 58.212 | 77.005 | 90.159 | 1.00 | 8.04 |
| ATOM | 2019 | C | ILE | 332 | 59.401 | 75.675 | 86.226 | 1.00 | 20.21 |
| ATOM | 2020 | O | ILE | 332 | 58.195 | 75.848 | 86.050 | 1.00 | 21.52 |
| ATOM | 2021 | N | THR | 333 | 60.330 | 76.195 | 85.420 | 1.00 | 20.15 |
| ATOM | 2022 | CA | THR | 333 | 59.993 | 77.020 | 84.251 | 1.00 | 19.79 |
| ATOM | 2023 | CB | THR | 333 | 61.287 | 77.491 | 83.467 | 1.00 | 20.47 |
| ATOM | 2024 | OG1 | THR | 333 | 61.948 | 78.537 | 84.191 | 1.00 | 18.21 |
| ATOM | 2025 | CG2 | THR | 333 | 60.949 | 77.996 | 82.058 | 1.00 | 16.88 |
| ATOM | 2026 | C | THR | 333 | 59.060 | 76.275 | 83.281 | 1.00 | 18.99 |
| ATOM | 2027 | O | THR | 333 | 58.124 | 76.861 | 82.737 | 1.00 | 19.34 |